

**AGENDA**



**Recommendation for Council Action (Purchasing)**

<b>Austin City Council</b>	<b>Item ID:</b>	72653	<b>Agenda Number</b>	25.
<b>Meeting Date:</b>	August 17, 2017			
<b>Department:</b>	Purchasing			
<b>Subject</b>				
Authorize negotiation and execution of a contract with VEOLIA WATER TECHNOLOGIES, INC. DBA KRUGER to provide an ammonia reduction pilot system, in an amount not to exceed \$91,000.				
<b>Amount and Source of Funding</b>				
Funding is available in the Fiscal Year 2016-2017 Capital Budget of Austin Water.				
<b>Fiscal Note</b>				
A fiscal note is not required.				
<b>Purchasing Language:</b>	Sole Source			
<b>Prior Council Action:</b>				
<b>For More Information:</b>	Inquiries should be directed to the City Manager’s Agenda Office, at 512-974-2991 or AgendaOffice@ austintexas.gov or to the buyer, Georgja Billela, at 512-974-2939 or Georgja.Billela@ austintexas.gov			
<b>Boards and Commission Action:</b>	July 12, 2017 – Recommended by the Water and Wastewater Commission on a 9-0 vote, with Commissioner Ho off the dais and Commissioner Pern absent.			
<b>Related Items:</b>				
<b>MBE / WBE:</b>	Sole Source contracts are exempt from the City Code Chapter 2-9C Minority Owned and Women Owned Business Enterprise Procurement Program; therefore, no subcontracting goals were established.			

**Additional Backup Information**

The contract will provide an ammonia reduction pilot system at the Hornsby Bend Biosolids Management Plant (Hornsby Bend BMP) for Austin Water. The Hornsby Bend BMP receives all solids generated by Austin Water's two wastewater treatment plants (WWTPs); Walnut Creek WWTP and South Austin Regional WWTP. The solids are treated at the Hornsby Bend BMP by thickening, anaerobic digestion, and then dewatering by belt filter press. Once the solids are dewatered they are composted on-site.

Effluent (referred to as side stream flows) from Hornsby Bend BMP's thickening and dewatering operations are currently treated in the on-site Side Stream Treatment Plant before being discharged into a series of polishing ponds and ultimately irrigated on-site.

The side stream flows from the belt filter press have a high ammonia concentration. The Anita™Mox deammonification technology can treat these side stream flows and significantly reduce the ammonia concentration before being discharged into the on-site polishing ponds. This pilot project will test the deammonification technology to determine if it is a viable treatment process for the belt filter press side stream flows at the Hornsby Bend BMP.

A successful process is temperature dependent and should perform well within winter and summer months. Accordingly, testing is planned to occur between October and April which historically are the coolest months of the year.

If the City is unable to secure a contract, the pilot program will not move forward and Austin Water will continue problem solving on how to decrease the high ammonia levels in the side streams that could pose a public safety concern.